OUR DIGITAL TRANSFORMATION JOURNEY

Kinsale Community School

Gemma Cooper, MIEE Fellow, MCE

Cert Matters Live
Annual Educators Conference

- ICT Initiatives
- ICT Strategy
- Whole School Approach
- Inclusivity, Diversity & Positive Environment

Visit Our Website:
www.kinsalecommunityschool.ie

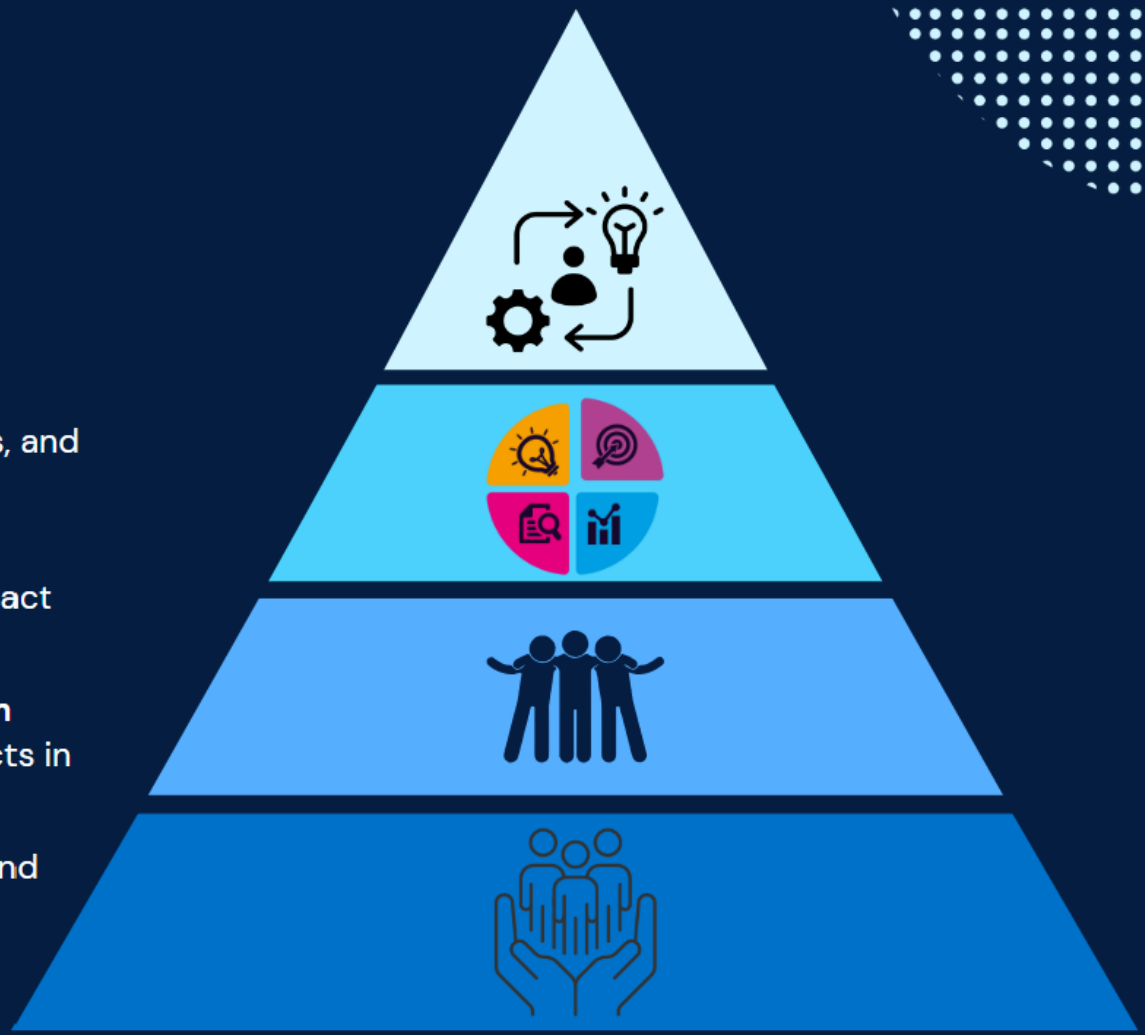
KINSALE COMMUNITY SCHOOL

01 **ICT Initiatives** that enable students to develop software, hardware design and development skills, and that allows students to innovate

02 An **ICT strategy** established in terms of teaching, supporting teaching and student/community impact

03 A **whole-of-school approach- an ICT curriculum** developed for all students across all/many subjects in the school

04 ICT initiatives that promote inclusivity, diversity and positive environmental

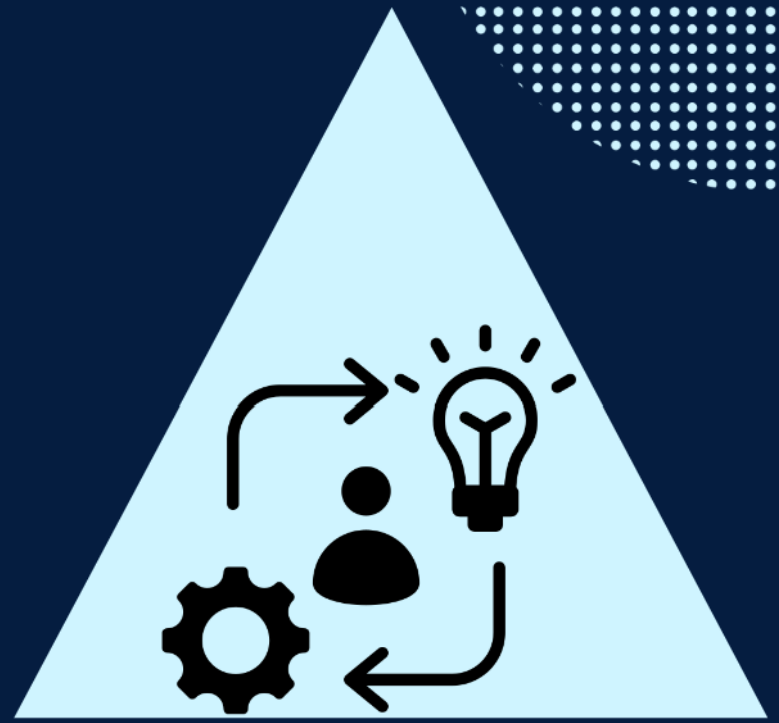


KINSALE COMMUNITY SCHOOL

01 ICT Initiatives

that enable students to:

- Develop software
- Hardware design
- Development skills
- Innovate



INNOVATE

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- Automated Greenhouse
- 3D Printing Faceshield for Medics
- VEX Robotics
  - National
  - International
  - Mentoring
- F1
- STEM TY Challenge
- Local Enterprise Office
- BTYSE
- Voice of KCS Podcast Studio
- Green Screen

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02 ICT strategy

Teaching
Supporting teaching
Student impact
Community impact

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DIGITAL TRANSFORMATION JOURNEY

2017
Inspectorate report highlighted no VLE

No Wifi, Website and lacked collective practices

2018
Digital Framework participant

Adopted Microsoft 365

2019
Promoted Staff Collabaration to grow usage

Teacher Digital Leaders

JC DML/Coding

2020
Staff Devices

Upgraded School Infrastructure

Microsoft Showcase School

2021
Inspectorate found our remote teaching "Outstanding"

Leaving Cert Computer science

MOS Centre of Excellence

2022
Further embeded technology into pedagogy

Prodigy Outstanding Centre of Excellence

2023
Developing intiatitives

VEX Mentoring

Erasmus +

ICT STRATEGY

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Microsoft Showcase School

Féilte Croí na Scoile

Virtual Learning Environment

Infrastructure

Digital Leaders
Teacher
Student

Curriculum

Certifications

Community Support
Parents
Wider Community

Competitions

KCS ICT STRATEGY: TEACHING

Athena Tracker

Academic Attainment

Compass

MIS

Office 365

VLE

Teams

Classes

Microsoft

Training

KCS ICT STRATEGY: TEACHER SUPPORT

Infrastructure

Investment

Digital Leaders

MIEEs

Féilte Scoile

Shared best practice

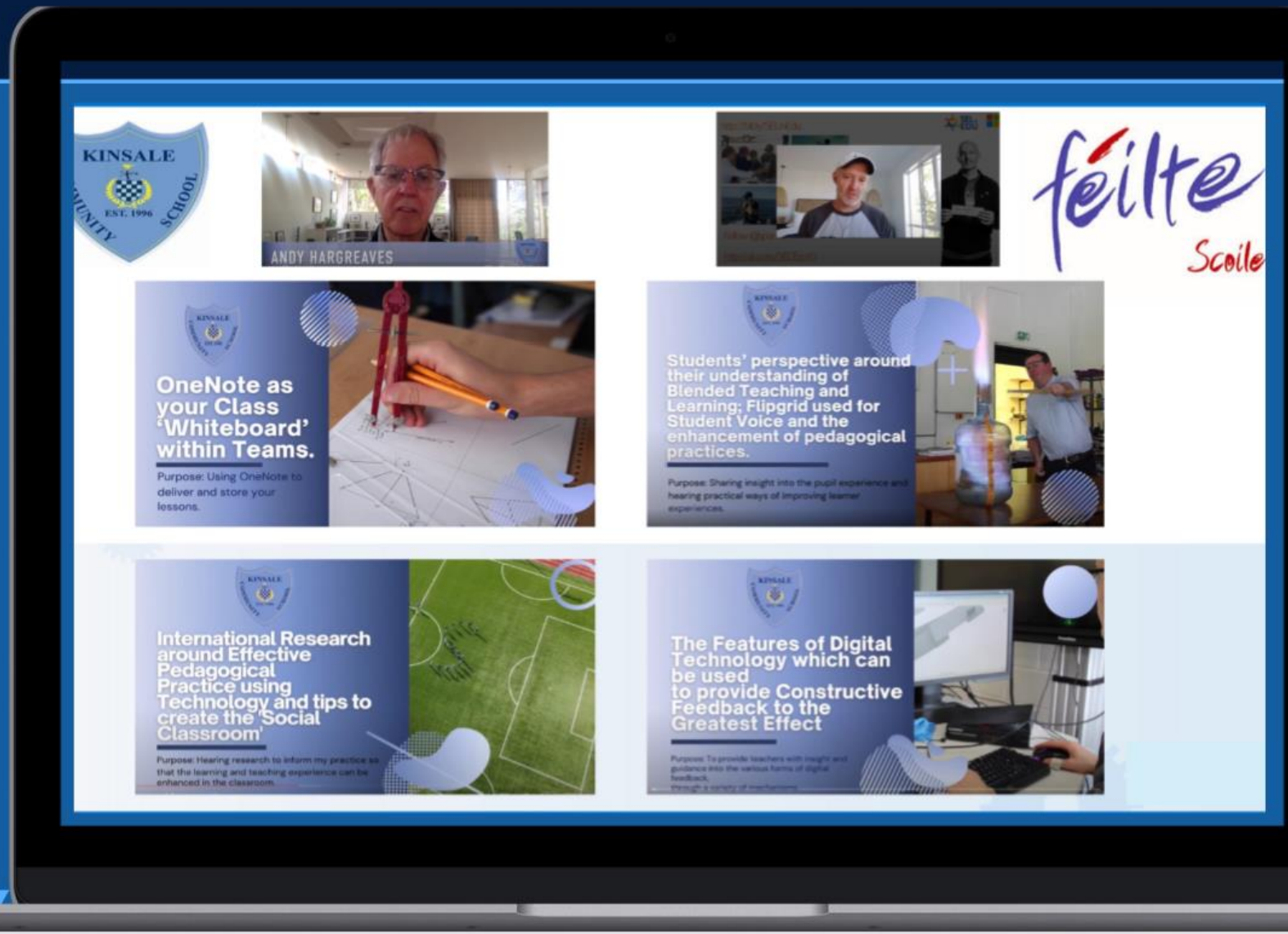
Croí na Scoile

Teacher led research

Microsoft Learn

Learning Pathways

KCS ICT STRATEGY: TEACHER SUPPORT



KCS ICT STRATEGY: PLATFORMS

Gmetrix

DML

Compass

Microsoft Office Specialist Word

Compass Cloud

Remote

DreamSpace Digital Academy

Python, Web Design

Microsoft

Learn

KCS ICT STRATEGY: CERTIFICATIONS

IC3 Spark

DML

MOS

Microsoft Office Specialist Word

MOS

Microsoft Office Specialist Powerpoint

Teams

Microsoft Office Specialist Excel

Microsoft

Azure Fundamentals

KCS ICT STRATEGY: COMPETITIONS

MOS 4 Nations

Certiport

VEX

Robotics

BTYS

STEAM

Bebras

Computational Thinking

Webwise

Internet Safety

COMPETITIONS

Bebras Computational Thinking Challenge, Safer Internet Day, BTYSE, Microsoft Specialist Champion, Microsoft Office Specialist Four Nations, Microsoft Imagine Cup AI, F1 in School, VEX Robotics, SSE Airtricity Microsoft Schools Sustainability Award, National Scratch Coding Competition, Webwise Safer Internet Day Awards

Bebras Challenge Winner 2023

Microsoft Office Excel Winner 2023

BTYS Winner 2023

KCS Student's are benefiting from ICT embedded across school Curriculum

KINSALE COMMUNITY SCHOOL

03 Whole-school approach

An ICT curriculum developed for all students across all subjects at Kinsale Community School

A WHOLE-OF-SCHOOL APPROACH

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1st Yr DML

JC DML
JC Coding

Virtual Learning Environment

JC CBA's

Digital Leaders
Teacher
Student

LC Subjects
Computer Science
Technology
Physical Education
Tech Graphics
Metalwork
Woodwork

Shared Best Practice

Infrastructure

Upskilling
Teachers
Students
Parents

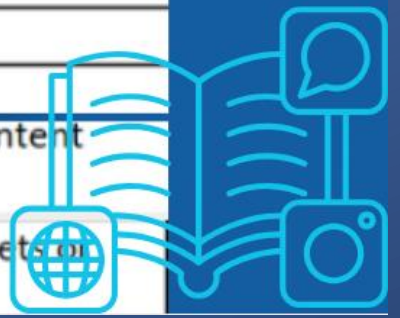
1ST YR DIGITAL MEDIA LITERACY

All Class groups in 1st year

BASICS

SOCIAL

WEEK	Material to be covered in class
Week 1	Organise class lists. Seating plan. Housekeeping. List the Do's and Don'ts. Classroom rules identified; students create a charter for working in the computer room.
Week 2	Sign into Microsoft 365. Username: 23Firstnamelastname@kinsalecommunityschool.ie Password: Student2023 Students record these details in their journal.
Week 3	Navigating the keyboard functions. Understand the Hardware and Software of a` computer
Week 4	Becoming familiar with Office 365
Week 5	Introduction to MS Teams. Joining Teams using a code.
Week 6	Completing assignments on MS Teams
Week 20	Social media accounts verses Microsoft office school account. Sharing content online the Do's and Don'ts
Week 25	List 5 advantages and 5 disadvantages of technology in our lives. Use bullets or numbering to create your list.



2ND AND 3RD YR DML

3 Class groups in each year

CODING SCRATCH, HTML, PYTHON

DML

STRAND 1: MY DIGITAL WORLD

STRAND 2: FOLLOWING MY INTERESTS ONLINE

STRAND 3: CHECKING THE FACTS

STRAND 4: PUBLISHING MYSELF

IC3 SPARK NEW CERTIFICATION

CBA

WORD: REPORTS

POWERPOINT: PRESENTATIONS

ONENOTE: FEEDBACK

TEAMS: RUBRICS

TY MICROSOFT OFFICE SPECIALIST CERTIFICATION

Structure

- Online Learning Platform
- Practice/LearnKey at home
- GMetrix: Online Lessons and Practice Exams
- Console: Official Examinations

Benefits

- International Computer Qualification
- Skills for LC
- Asset for CV

TY 1 Students with MOS Certificates

TY 2 students with MOS Certificates

TY 3 Students with MOS Certificates

TY 4 Students with MOS Certificates

Blended Learning with Microsoft

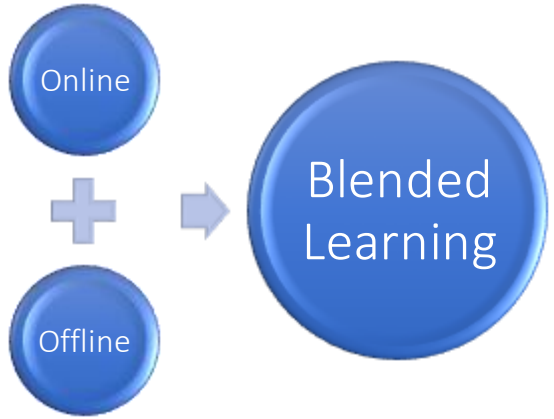
Microsoft

- At KCS, we utilise **Microsoft technology and educational pathways** to help students & educators **use the technology of today to prepare for future of tomorrow.**
- KCS taken blended learning approach using Microsoft training options to **put students on path to their certification journey.**
- Create digital learning environment for **self-directed acquisition of knowledge** outside of class allowing for meaningful discussion within.
- Shifting control over pace of learning to students

Blended Learning at KCS

'Blended learning' is term used to describe when a school, educator or student takes more than one approach to the learning process. It can be blending of different learning tools that can be digital and non-digital. (EU Commission)

Blended learning is a combination of **active, engaged learning both offline and online** to **give students more control over the time, place, pace, and path of their learning.**



Blended Learning at KCS

Blended approach towards Curriculum and Certification

- Giving **student agency** to make key decisions about their learning
- **Differentiating** more consistently and effectively
- Tools to help meet needs of every student - **Accessibility**
- Partnering with students to begin **personalised learning paths**

Unlock the full potential of every student

Microsoft Learning: KCS Blended Approach

Microsoft DreamSpace

Microsoft | Learn

Flip

Teams

Forms

Stream

MICROSOFT LEARN
Student Hub

OLIVE VLE

Microsoft | MakeCode Arcade

PowerPoint

Sway

OneNote

OneDrive

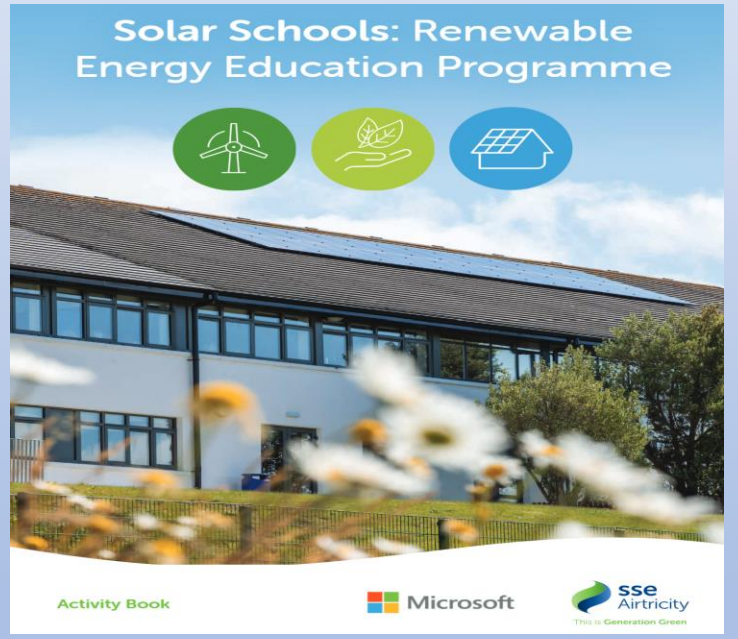
Imagine Cup Junior

Junior Cycle Curriculum

Short Course
Digital Media Literacy

Apps

- Outlook
- OneDrive
- Word
- Excel
- PowerPoint
- OneNote
- SharePoint
- Teams
- Sway
- Forms



IC3 Spark Computing Fundamentals

IC3 DIGITAL LITERACY CERTIFICATION

Junior Cycle Curriculum

Short Course
Coding

DreamSpace Teacher

Microsoft DreamSpace

Microsoft | MakeCode Arcade

Microsoft Learn

Microsoft | Learn

Student can develop practical skills through fun, interactive modules and paths.

Introduction to Programming
Learn about programming languages and the tools that developers use to create...

Python for Beginners
Learn the basics of python, including how to use Jupyter notebooks, create program...

Transition Year Programme

Microsoft Office Specialist Training

Gmetrix

Microsoft Office Specialist Certification

Transition Year Programme

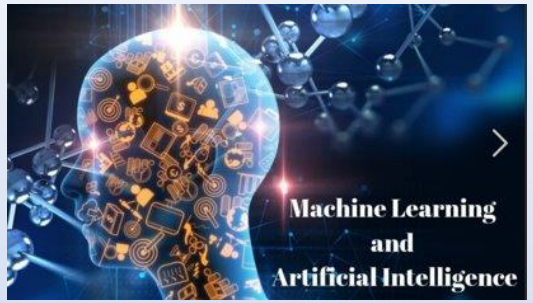
Computer Science Taster

Welcome to Dream Space Digital Academy
1 month ago . Kinsale Community School

Dream Space brings you your much loved STEM learning into a virtual learning environment - say hello to Dream Space Digital. Enjoy your favourite learning pathways at our own pace together with the DreamBot. Enjoy learning!

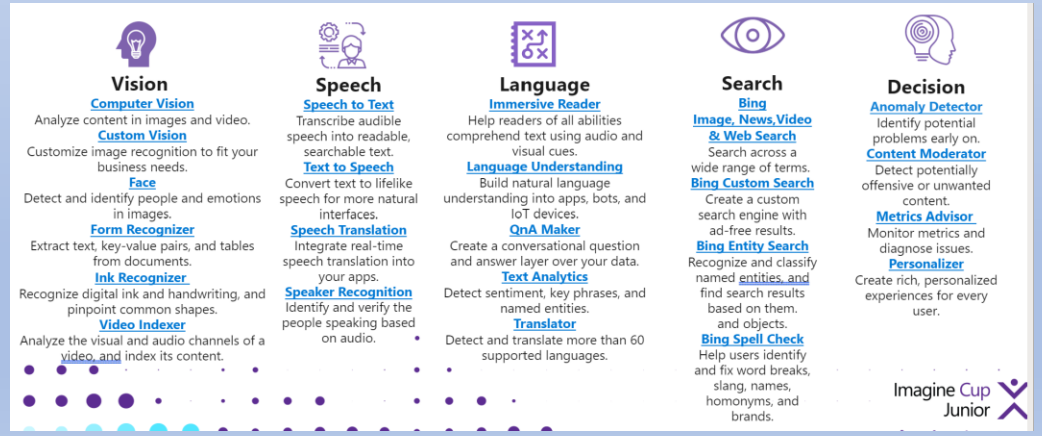
Transition Year Programme

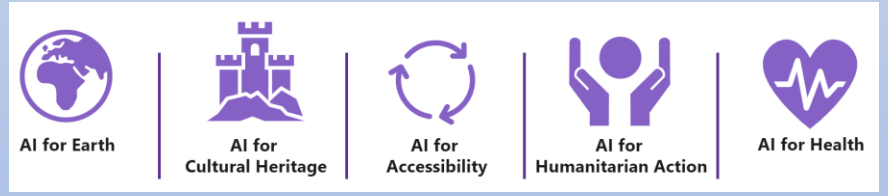
Computer Science Taster



Microsoft

Imagine Cup Junior





Azure

Students can create prototype of their concept, Microsoft Azure can be a platform for them to develop their concept using their favourite languages and create custom apps in Visual Studio.

Leaving Certificate Computer Science

Continuing the Journey

MICROSOFT LEARN
Student Hub

- **Determine which Fundamentals Certification is right for them to customize their learning journey** with up-to-date content developed by experts and a variety of resources.

- Master new skills with a comprehensive collection of training options that empower them to learn in a style that fits them best. **#ProudToBeCertified**

Educator Journey

Continuing Journey with Microsoft Learn

Blending Certification with Curriculum Our journey for the Future

- Combining of Synchronous and Asynchronous activities
- Teach students skills of problem-solving, critical thinking and effective communication
- Students can revisit information whenever they choose
- Class time can be used to engage in valuable discussions
- Using digital technologies to innovate teaching strategies
- Earning a Microsoft Certification is globally recognized evidence of real-world skills.
- Microsoft pathways and Certifications help students stand out, gain confidence, and validate student skills and abilities, while showcasing commitment to keeping pace with rapidly changing technology.

Empower every learner to achieve more

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04 ICT initiatives that promote

Inclusivity

Diversity

Positive environmental

INCLUSION, DIVERSITY & ENVIRONMENTAL

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- Digital Tools
- Global Citizenship
- Virtual Learning Environment
- Learning Accellerators
- Rang Realta
- Sustainable Development Goals
- English Additional Language
- Green Schools Flag
- Compass Cloud

ICT INITIATIVES TO PROMOTE

Inclusivity

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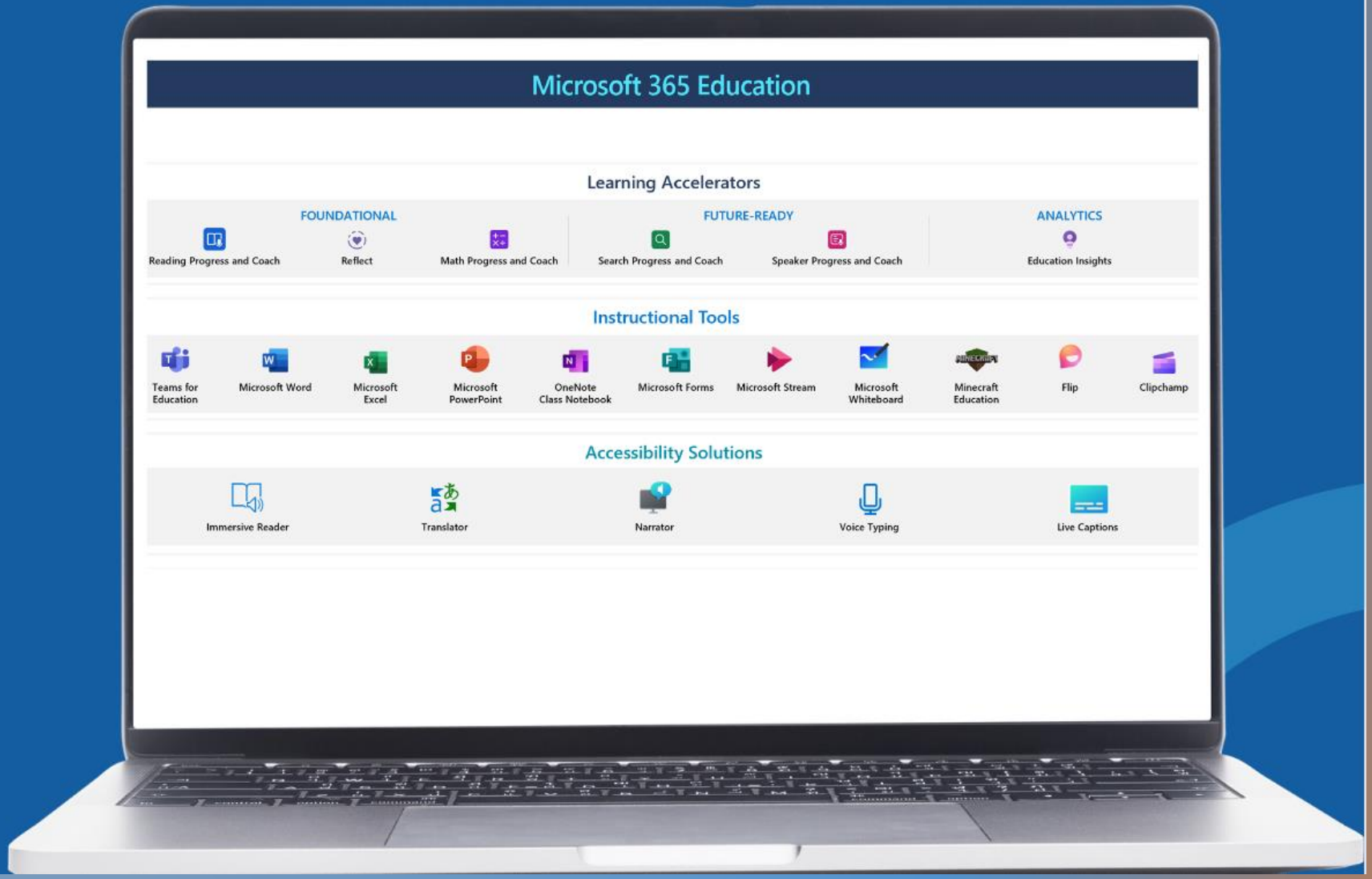
ICT INITIATIVES TO PROMOTE

Inclusivity

Microsoft

Foundational Skills | Future-Ready Skills | Insi



Thank You

for joining our

Digital Transformation Journey

at

Kinsale Community School

Gemma Cooper

+353 21 4773174

gemmacooper@kinsalecommunityschool.ie

www.kinsalecommunityschool.ie